

*This is probably some kind of modified HSR tape  
type or generated by modified loader*

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RAYTHEON COMPUTER

RAYTHEON 250 PROGRAM LIBRARY

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Catalog No. 0136 (.3, .7, .15)

IDENTIFICATION: HIGH SPEED READER - BOOTSTRAP 03, 07 or 15

PURPOSE: To load programs through the High Speed Photoreader.

STORAGE: One line - line 03, 07 or 15

USE: This tape which can be used to load any Raytheon 250 Program through a modified photoreader, HSR-1 consists of a loader program to be entered into the 250 using the fill switch, followed by the HSR Read Routine, 0108A. Tapes to be loaded by this routine must be pre-addressed, that is, each line must be preceded by LL \$ or LL F, and only Binary tapes in OUP format will load. The loader must be spliced or copied before the program program to be loaded, and a W must appear after the last last block. After loading the last block, transfer is effected to 00001, so that either the program loaded should begin there, or the OUP should be part of the program loaded. The version of this tape known as KITT PEAK LOADER includes the OUP followed by a W. The HSR routine goes into line 03, 07, or line 15 depending on whether 0136.3, 0136.7 or 0136.15 is used.

Loading procedure is as follows:

- 1) Make sure photoreader is selected as Bootstrap source, (HSR Plug in J1) See Interface Manual for details.
- 2) Place tape in photoreader.
- 3) Raise fill switch, clear parity, raise Enable.
- 4) When tape stops lower fill switch, depress Enable, break point and I key.
- 5) Raise Enable, break point.
- 6) Tape will read, first in start-stop mode then smoothly, to end.

USE: (Cont'd.)

Halts with line #37 in operand lights are checksum errors. Back up one Binary Block and clear parity to re-read. Do not strike I key.

After the KITT PEAK LOADER has been loaded, control will go to the OUP. By transferring to Sector 000 of the HSR Routine in line 03, 07 or 15, depending upon which version of the tape is used, any of the functions described in the write up for 0108A may be utilized.